

Title (en)

CRT HAVING A FOCUS MASK WITH PARTIALLY CONDUCTIVE INSULATOR

Title (de)

KATHODENSTRAHLRÖHRE MIT FOKUSSIERUNGSMASKE, DIE EINEN TEILWEISE LEITFÄHIGEN ISOLATOR AUFWEIST

Title (fr)

TUBE CATHODIQUE COMPORTANT UN MASQUE DE FOCALISATION PRESENTANT UN ISOLATEUR PARTIELLEMENT CONDUCTEUR

Publication

EP 1354333 A2 20031022 (EN)

Application

EP 01987408 A 20011218

Priority

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- US 74624200 A 20001222

Abstract (en)

[origin: US2002079804A1] A color cathode-ray tube has an evacuated envelope with an electron gun therein for generating an electron beam. The envelope further includes a faceplate panel having a luminescent screen with phosphor elements on an interior surface thereof. A focus mask, having a plurality of spaced-apart first conductive strands, is located adjacent to an effective picture area of the screen. The spacing between the first conductive strands defines a plurality of apertures substantially parallel to the phosphor elements on the screen. Each of the first conductive strands has a substantially continuous insulating material layer formed on a screen-facing side thereof. A plurality of second conductive wires are oriented substantially perpendicular to the plurality of first conductive strands and are bonded thereto by the insulating material layer. The insulating material layer is partially or slightly conductive to an extent sufficient to prevent an accumulation of a significant electrical charge.

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